



SDI Review Form 1.6

| | |
|--------------------------|---|
| Journal Name: | South Asian Research Journal of Natural Products |
| Manuscript Number: | Ms_SARJNP_46718 |
| Title of the Manuscript: | Antioxidant Potential and anti-sickling activity of different organs of Curcuma longa: effect of total polyphenol content and correlation of the antioxidant capacity on anti-sickling activity |
| Type of the Article | Original Research Article |

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

PART 1: Review Comments

| | Reviewer's comment | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|-------------------------------------|--|---|
| Compulsory REVISION comments | <p>The title "Antioxidant Potential and anti-sickling activity of different organs of Curcuma longa: effect of total polyphenol content and correlation of the antioxidant capacity on anti-sickling activity" is too long and not appropriate. The word organ is not relevant.</p> <p>There is no information about extract of all part of plants and their percentage yield.</p> <p>The methodology written among all experiment is in-complete. Kindly follow the standard protocol.</p> <p>In Table 1: Content of polyphenolic phytoconstituents in different organs of C. longa (mean \pm SD, n = 3) What is the P value? Unable to find the significant results.</p> <p>In line 123-124 if rhizome has significant value then did you compare your results with the literature. Validate your results. Same problem in your results and discussion.</p> <p>in paragraphy 159-167, You have discussed environmental factors but there are more than one factor that may result in significant difference. What about physiological factors, phytochemical factors?</p> <p>Figure 1 is inappropriate and randomly present. Kindly put clear pictures.</p> <p>Table 2: How could be the values of gallic acid (control) will be like this? Kindly check your results and send us the supplimentary file on Excel sheet.</p> <p>The discussion for table 2 needs more evidence from the literature as a number of literatures is available online.</p> <p>What is Racines in table 3. The results in table 4 are not correct.</p> <p>Table 4: Relationship between polyphenol contents, antioxidant activity and anti-sickling activity?? This is not the way to find the correlation.</p> <p>Where are the statistical test? such as Correlation (Pearson, Kendall, Spearman to find the relationship.</p> <p>Discussion needs more citation from the literature.</p> <p>Perspective and conclusion are both different. Kindly change.</p> | |



SDI Review Form 1.6

| | | |
|----------------------------------|--|--|
| Minor REVISION comments | | |
| Optional/General comments | | |

PART 2:

| | | |
|---|--|---|
| | Reviewer's comment | Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> Yes. Kindly ask the author to submit the supplement statistical excel file | |

Reviewer Details:

| | |
|----------------------------------|---------------------------------|
| Name: | Muhammad Shahzad Aslam |
| Department, University & Country | Xiamen University, China |